

Title (en)

ARTERIAL PRESSURE-BASED DETERMINATION OF CARDIOVASCULAR PARAMETERS

Title (de)

AUF ARTERIELLEM BLUTDRUCK BASIERENDE BESTIMMUNG VON KARDIOVASKULÄREN PARAMETERN

Title (fr)

DÉTERMINATION DE PARAMÈTRES CARDIOVASCULAIRES SUR LA BASE DE LA PRESSION ARTÉRIELLE

Publication

**EP 3019076 B1 20210317 (EN)**

Application

**EP 14823539 A 20140707**

Priority

- US 201361843743 P 20130708
- US 2014045538 W 20140707

Abstract (en)

[origin: WO2015006191A1] Embodiments of the disclosure are directed to apparatuses, methods and computer program products for determining cardiac output. An exemplary method comprises: receiving blood pressure data; determining a standard deviation associated with the blood pressure data; determining a pulse rate associated with the blood pressure data; determining a compliance factor associated with the blood pressure data; determining a function associated with the blood pressure data; and determining the cardiac output based on the standard deviation, the pulse rate, the compliance, and the function.

IPC 8 full level

**A61B 5/02** (2006.01); **A61B 5/0215** (2006.01); **A61B 5/024** (2006.01); **A61B 5/029** (2006.01); **A61B 5/22** (2006.01)

CPC (source: EP US)

**A61B 5/0215** (2013.01 - EP US); **A61B 5/022** (2013.01 - US); **A61B 5/024** (2013.01 - EP US); **A61B 5/029** (2013.01 - EP US); **A61B 5/7278** (2013.01 - EP US); **A61B 5/742** (2013.01 - US); **A61B 5/02241** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2015006191 A1 20150115**; EP 3019076 A1 20160518; EP 3019076 A4 20170308; EP 3019076 B1 20210317; US 2016278717 A1 20160929

DOCDB simple family (application)

**US 2014045538 W 20140707**; EP 14823539 A 20140707; US 201414770070 A 20140707